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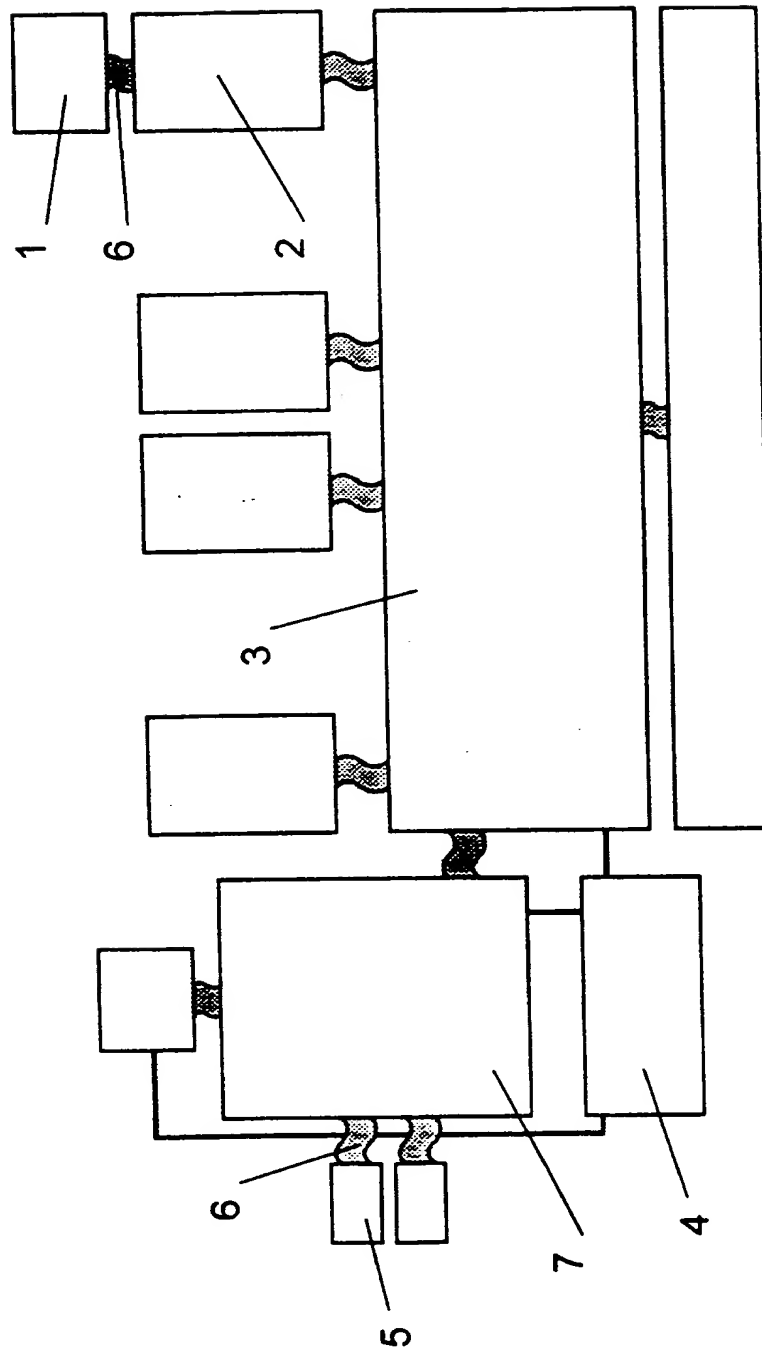


FIG. 1

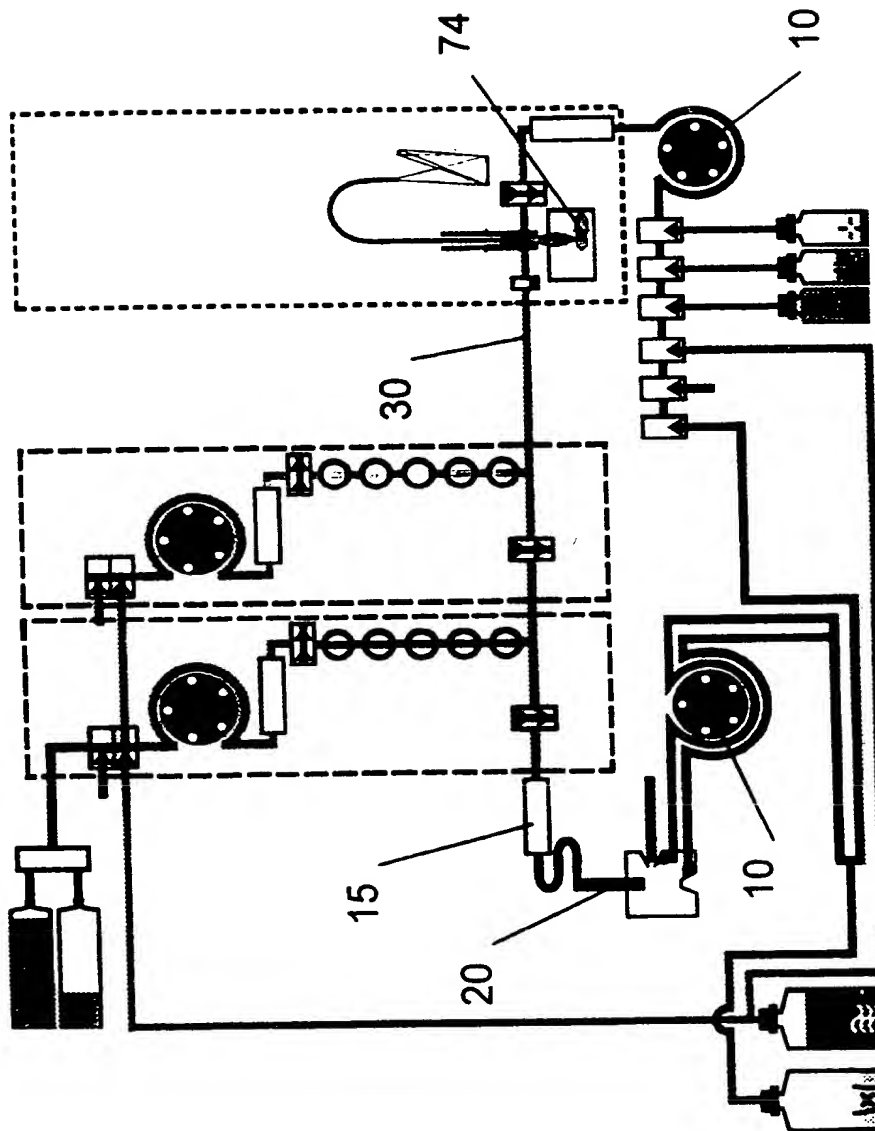


FIG. 2

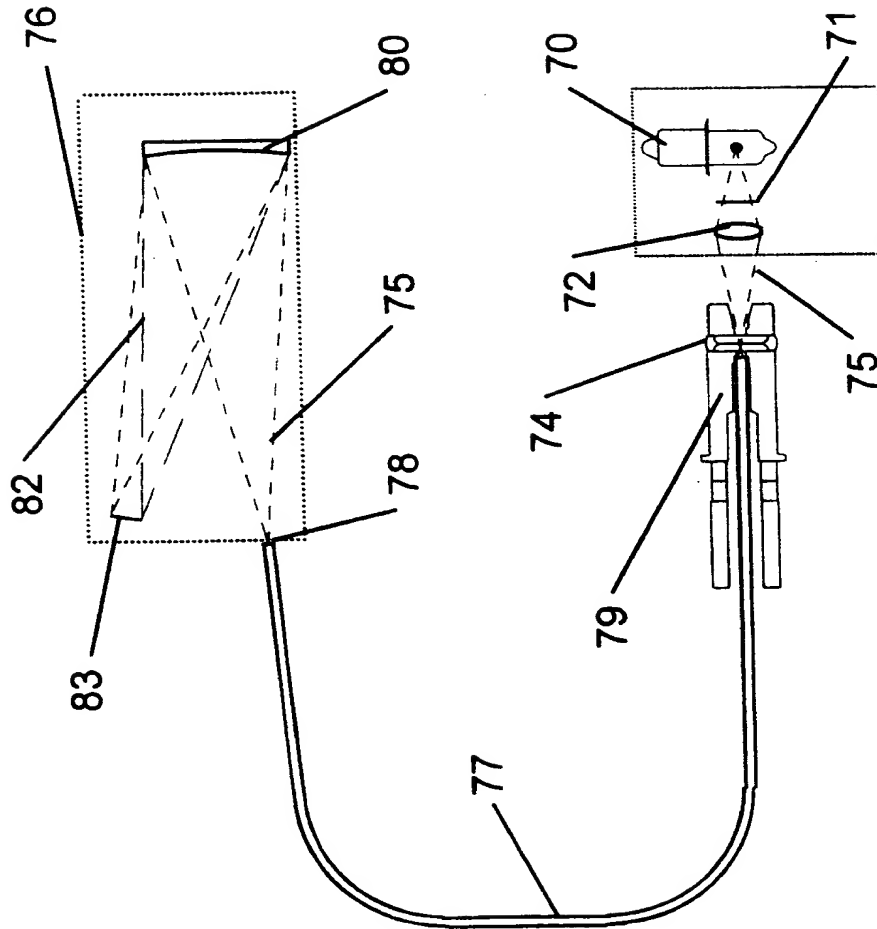


FIG. 3

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Component	Concentrations, mmol/kg water			
	QC level 1	QC level 2	QC level 3	QC level 4
PIPES, Na-salt	-	-	-	64.2742
HEPES	40.7286	31.0138	24.2665	-
HEPES, Na-salt	20.0250	33.2875	39.6078	-
NaCl	115.1848	82.6968	44.7194	15.9993
KCl	2.0400	4.1068	6.1508	7.6600
NaHCO <sub>3</sub>	25.348	28.38	21.9319	19.6667
CaCl <sub>2</sub> ·2H <sub>2</sub> O	1.2502	0.5999	0.3455	2.2201
TRISxHCl	8.6434	14.217	7.7588	-
TRIS	1.7789	5.2435	24.9175	-
Sulforhodamine B, Na-salt	1.0023	1.6705	2.5058	0.3444
Glucose	2.5710	6.178	15.5218	-
Lactate, Na-salt	5.1427	1.5445	12.2997	-

FIG. 4

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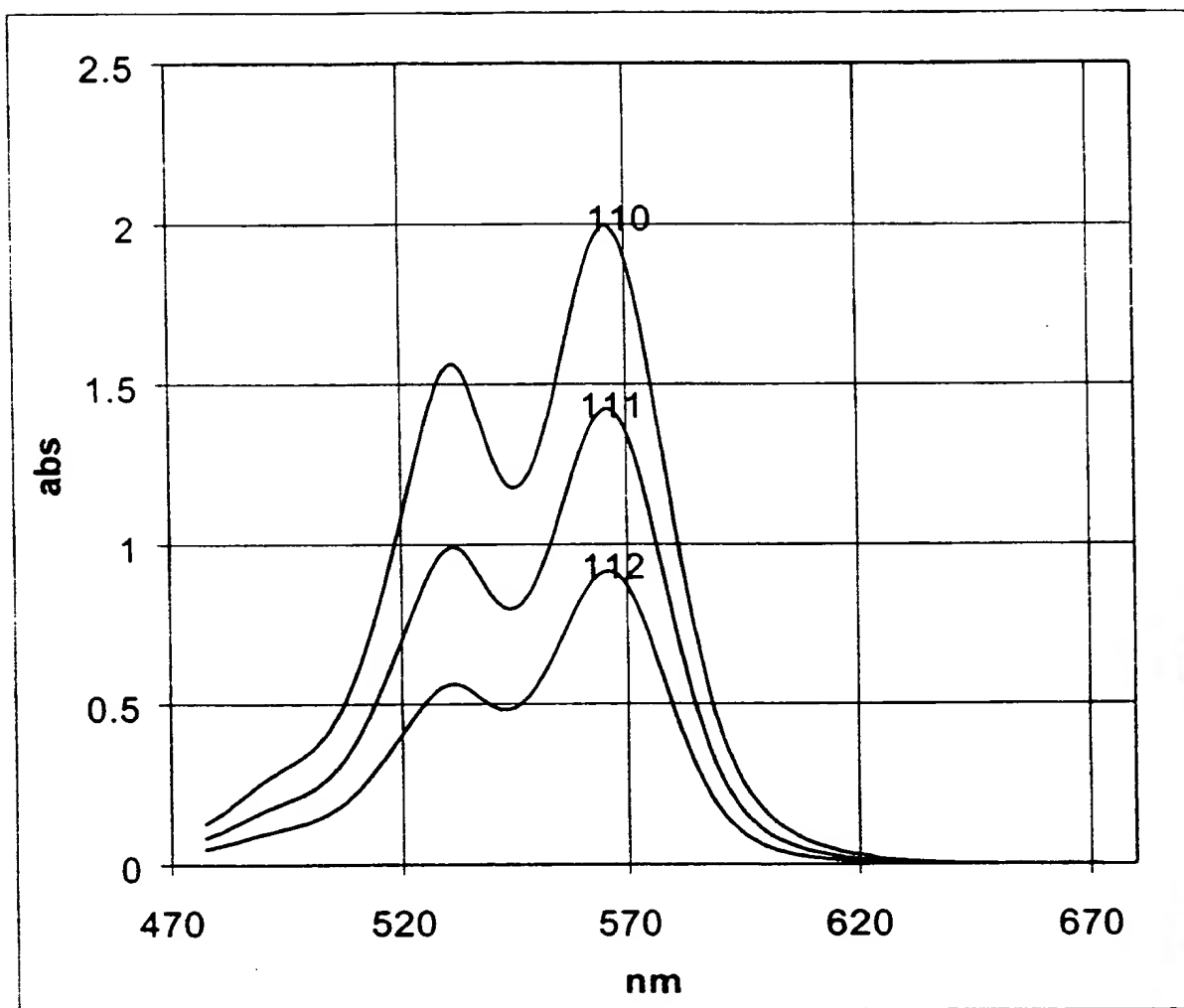


FIG. 5

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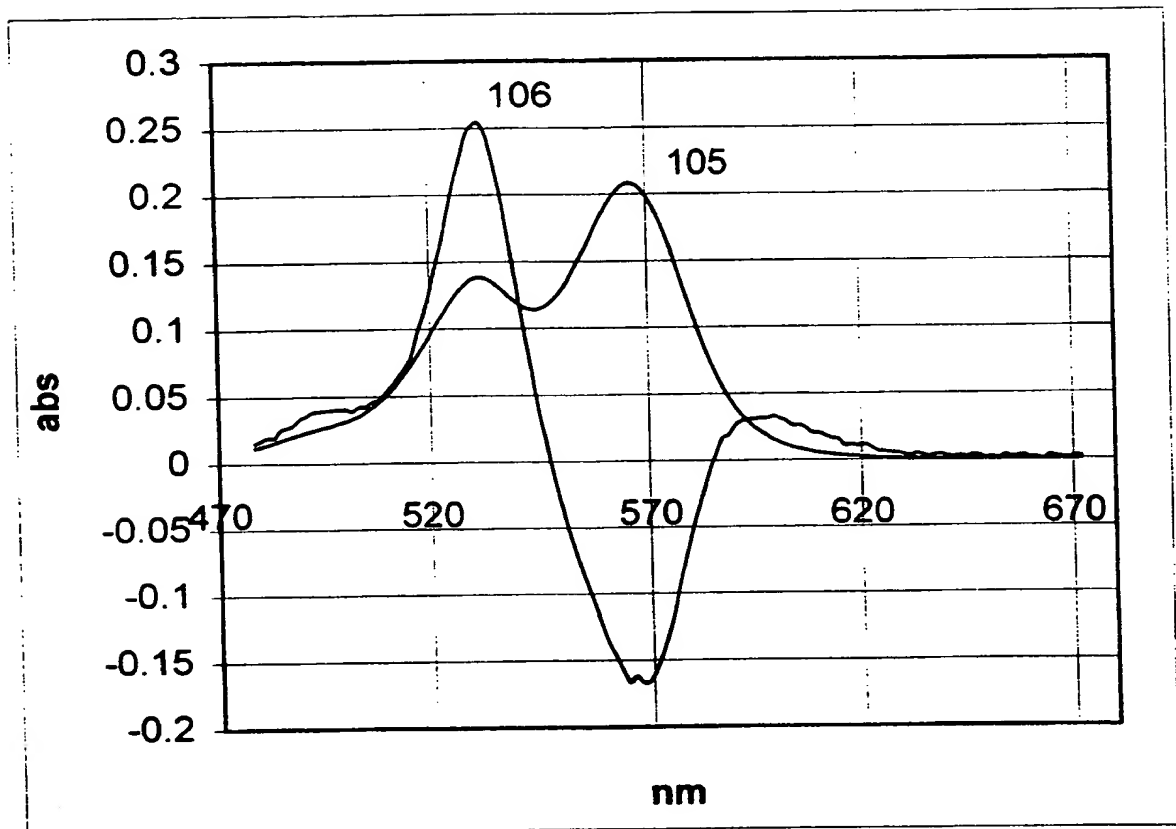


FIG. 6

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Level	ctHb [g/dL]	sO <sub>2</sub> [%]	FO <sub>2</sub> Hb [%]	FHHb [%]	FCOHb [%]	FMet Hb [%]
1	7.80 ±0.12	50.00 ±0.09	44.50 ±0.26	44.50 ±0.43	6.00 ±0.66	5.00 ±0.03
2	13.00 ±0.20	97.00 ±0.62	92.15 ±0.46	2.85 ±0.62	3.00 ±1.15	2.00 ±0.07
3	19.50 ±0.29	70.00 ±0.25	49.00 ±0.40	21.00 ±0.42	20.00 ±0.78	10.00 ±0.04
4	2.60 ±0.04	5.00 ±0.00	3.50 ±0.02	66.50 ±0.29	10.00 ±0.23	20.00 ±0.08

FIG. 7

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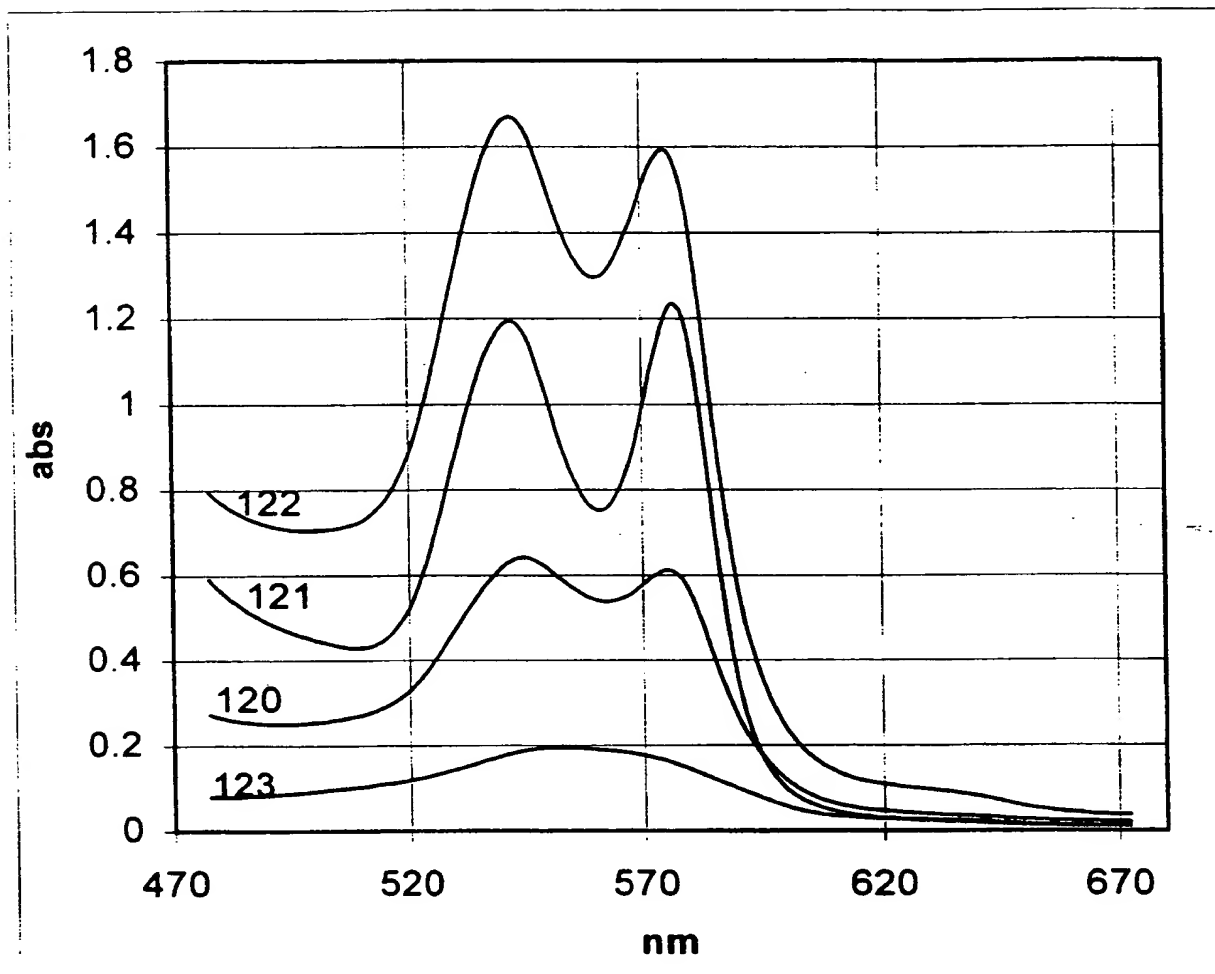


FIG. 8



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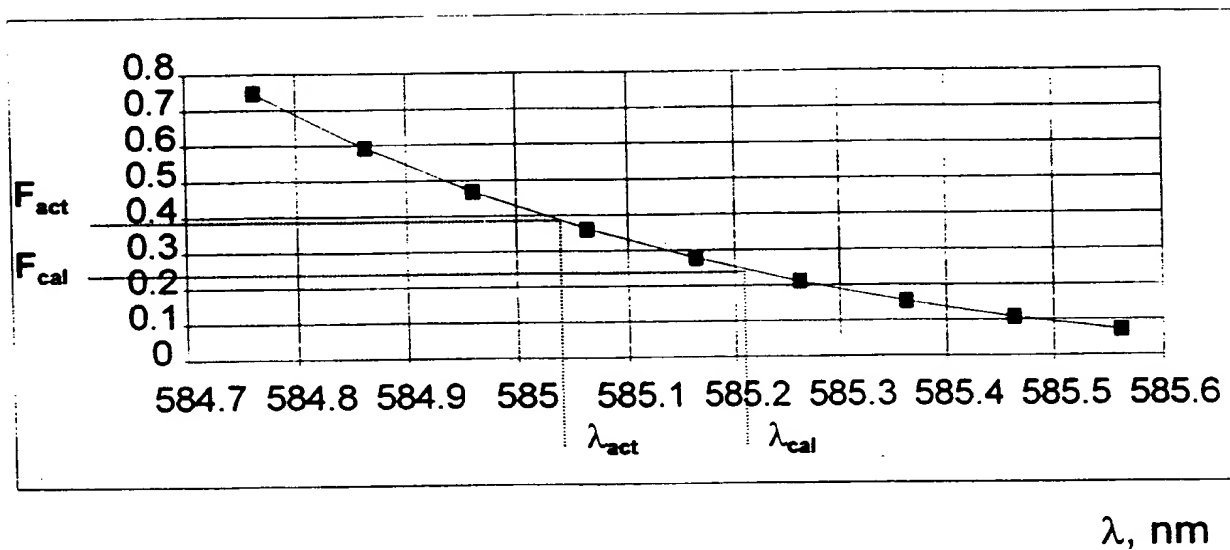
 $F_{\text{neon}}$ , counts

FIG. 9

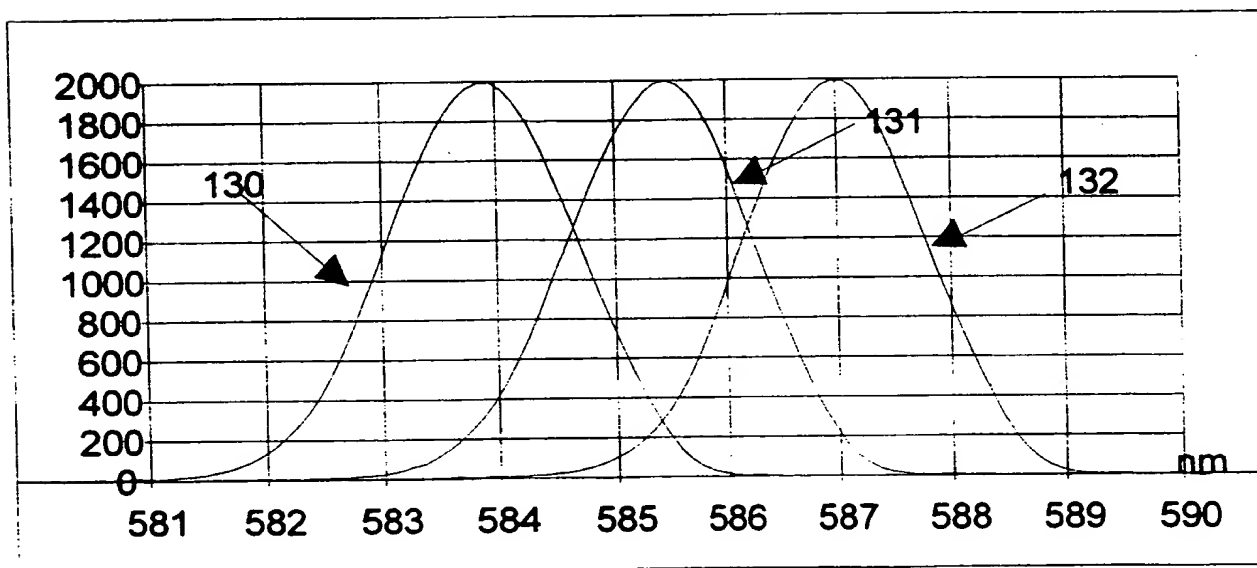


FIG. 10